



Dear Parents and Carers

I hope you all had a wonderful summer break. I look forward to teaching your child this year. I will be in class Tuesday through to Friday mornings. Here are the arrangements for the other sessions:

Monday all day – Mrs Greenall (Computing, PE, Art and Design Technology)

Tuesday PM – Miss Day (Science)

Wednesday PM – Mrs Moss (History and Geography)

Thursday PM – Mrs P.C (Music, RE and CbIDS)

Friday PM – Miss Day (PSHE)

Here are the exciting topics and subjects we will be covering during the autumn term.

### CbIDS (Consciousness-based Interdisciplinary Studies)

This term our CbIDS aspects of orderly growth include: We are here to enjoy, Creativity, Energy, Intelligence, Purposefulness, Rest and activity, Orderliness and Purification.

### Maths

In Maths this term we are covering a range of topics which includes: reading, writing numbers to 1,000,000; comparing and ordering numbers to 1,000,000; working with roman numerals; working with all four operations; multiple, factors, prime, square and cubed numbers. We will also work with fractions in a number of ways such as comparing, ordering, adding and subtracting. There will be an emphasis on using mental strategies. Helping your child to know up to 12 times-tables will be invaluable.

### English

We will start the term by reading and analysing *Street Child* written by Berlie Doherty, which will inspire our writing. There will be a focus on understanding and inferring the characters' thoughts and feelings through diary entries and letters. The unit of work will end with a retelling of events in role as one of the characters.



Our next unit will be a poetry unit, which explores poems from the author, *Joseph Coelho*. They will explore different poetic terms and techniques with an emphasis on appreciating poetry. This will then inspire the children to write their own poems.

We will end the term with a retelling of *A Christmas Carol* using rhyme and atmospheric illustrations. This version is more accessible to the children than the original version. This unit will focus on descriptive writing, retelling of the narrative from an alternative point of view and then creating their own descriptions.

Spelling, punctuation and grammar will be a focus through our English work. We will work on sentence structure throughout the term and use Alan Peat sentence types to enable the children to write in a more sophisticated way.

## Science

### Autumn 1 – Materials – properties

During this unit of work, children will compare and group together everyday materials on the basis of their properties, including their hardness, transparency, and conductivity (electrical and thermal). Children will be introduced to key scientific vocabulary to describe the properties of materials (e.g. soluble and insoluble) and investigate how to separate materials using these properties. We will be planning our own investigations throughout the topic, making predictions prior to the experiment and making sure the experiment is a fair test throughout.

### Autumn 2 – Materials – changes

During this unit of work, children will be comparing and grouping together everyday materials on the basis of their properties, including their solubility and response to magnets. We will be experimenting on how some materials will dissolve in liquid to form a solution, and describing how to recover a substance from a solution. We will also be looking at how to create scatter, bar and line graphs with data collected from the experiments.

## History

### Autumn 1

During our 'Education extending beyond 1066' unit this half term we will be delving back in time to compare and contrast what 'education' has meant through history. We will be using sources to question how children have been educated throughout different time periods; we will be learning by enquiring and remaining open to opinions and people's thoughts and emotions surrounding the topic. Pupils will gain an understanding of how their education differs from education in the past, as well as the ability for children to be educated, and the restraints put in place in order to control it.

## Geography

### Autumn 2

Our geography work will concentrate on identifying the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night). We will use information technology as well as atlases to name and locate counties and cities of the United Kingdom, ensuring we cement our knowledge of the human and physical geography of the country we live in.

## Art

### Autumn 1

The first art project is 'Making Monotypes' where the pupils explore the work of several artists, especially Kevork Mourad, who use monotype techniques to produce their artwork. They will combine monotype processes with painting and collage to create visual poetry zines.

In our second project, 'Typography and Maps', the pupils will look at the work of typographer Louise Fili and explore how we can create typography through drawing and design. Then they will use their skills to create personal and highly visual maps.

## DT

### Autumn 2

The first design and technology topic will be 'Mechanisms with a Message'. In this project pupils investigate and evaluate existing products with cams mechanisms and then design and create their own display boards with moving parts. In our second project 'Gears and Pulleys', pupils investigate combinations of gears and pulley systems. They combine these with electric circuits (batteries and motors) as well as woodwork to build motorised vehicles.

## Computing

Computing systems and networks - In this unit, children develop their understanding of computer systems and how information is transferred between systems and devices. They will be able to explain the input, output, and process aspects of a variety of different real-world systems. They will discover how information is found on the World Wide Web, through learning how search engines work and what influences searching, and through comparing different search engines.

Video production - In this unit children have the opportunity to learn how to create short videos in groups. They will explore different techniques and develop skills in capturing, editing and manipulating video through a wide range of topic based language.

## Music

### Autumn 1

In music this half term we will be following the Charanga scheme of work. It is a 6-week unit of work which includes musical warm up games with emphasis on vocal warmups, rhythm, pulse tempo, pitch etc.

We will be focusing on learning to sing one song called Livin' on A Prayer by Bon Jovi but also listening and appraising five other classic rock songs within the 6 weeks. We will be playing instruments with the song (glockenspiels and recorders) and any student who plays an instrument



and would like to bring it in to play along with the song would be very welcome.

## Religious Education

### Autumn 2

The taught R.E syllabus is not designed to convert pupils, or to promote a particular religion or religious belief. The aim is to promote an understanding and respect for those with different religions and religious beliefs and to prepare our students to live in a diverse and modern Britain.

This half term, pupils will explore Christian beliefs and teachings about sin and temptation and introduce core Christian concepts such as The Fall, Original Sin, Free Will, forgiveness, and reconciliation. Pupils will also explore and examine the origins and role of the Qur'an as a source of wisdom and authority for Muslims. They should gain an understanding of the importance of revelation within Islam and how this impacts on the way that the Qur'an is viewed and treated.

### Other important information

P.E this year will be on Mondays. The first half term will be on the school premises and off site in autumn 2.

I will set homework on a Friday and the children will be expected to complete and return the work by the following Friday.

Please ensure your child brings a water bottle to school and a healthy snack can be brought for morning break time.

We look forward to working with you and your child this year.

Yours sincerely,

Mrs Gaskell and the Year 5 team.